

11-H-04
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November 4, 2004

Mr. Lonnie Jacobs
Ash Grove Cement Company
3801 East Marginal Way South
Seattle, Washington 98134

Lonnie:

Don't hesitate to share this with Craig. I am just responding to your e-mail.

At this point, I can only generalize from data in an old file. The recommended course of action is to first have a round of discussions with regulators who were involved last time.

We were issued a permit for 10 years duration, but with conditions. All agencies and services must agree before the next dredge. That is the challenge. Based on the last experience, there is no emergency process applicable in this situation. A permit issue summary sheet is enclosed.

Based on the previous work, the issue is frequency and volume to be dredged. The agencies were adamant about rapidly reducing the spillage to zero. They did not want to discuss simply lowering the spill rate.

Timing is important for you. The dredge window is mid October to January. It is unlikely a permit can be obtained this year. However, we are willing to try if requested. The most likely window is fall 2005.

Our recommended first step is to determine how the spillage occurred; the volume over the dock since the last dredge; what was done (when and cost) to prevent spillage since last dredge; and accurately calculate the volume spilled, based on current and post-dredge bathymetry.

Regarding cost, our services are provided on a time and expense basis. The amount of effort is, in part, a function of the urgency communicated by the client. A short summary of probable costs follows.

Step 1	Initial bathymetry	\$ 3,900
	Determine volume	500
	Assemble request	900
	Possibly dealing with Corporation Attorney	1,500
	Meeting with Agency personnel	900
	Step 1 Subtotal	\$ 7,700

Step 2	Preparing Biological Evaluation	\$ 7,000
	Allowance for Biological Opinion process	1,500
	Permit follow up	9,250
	Monitoring and post-dredge bathymetry	6,400
	Step 2 Subtotal	\$24,150
	Total	\$31,850

PERMIT TO AVOID THE POST
DREDGE WORK 11/8/04

This is only an estimate of what might be required. I first recommend we set up a first step of assembling the facts, identifying the options and timing, then estimating the remaining costs. Hopefully many of the items listed above will prove to be unnecessary.

Sincerely,
Jay W. Spearman, PE

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